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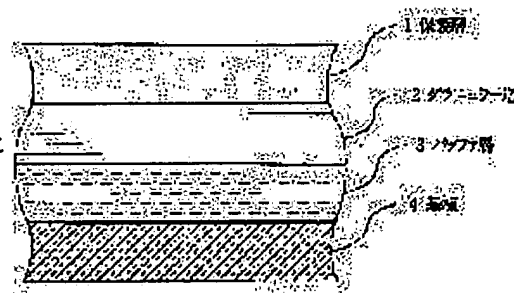
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(54) GRANULAR SUBSTANCE AND GRANULAR FILM USING SAME

(57)Abstract:

PURPOSE: To obtain a granular film having an MR ratio equal to or higher than the conventional ratio and having superior corrosion resistance to a deterioration mode.

CONSTITUTION: A buffer layer 3, a granular layer 2 and a protective layer 1 are successively formed on a substrate 4. The granular layer 2 is formed using a granular substance obtd. by dispersing a magnetic electrically conductive substance in a nonmagnetic electrically conductive substance. The magnetic electrically conductive substance is a material consisting of at least two kinds of elements selected from among Cu, Ag, Au and Pt or a material obtd. by adding one or more kinds of elements selected from among Al, C, Co, Cr, Fe, Ge, In, Mn, Mo, Nb, Ni, Pd, Si, Ta, Ti, W, V, Zr and Ir to the above-mentioned elements. The objective granular film having a rate of variation of MR equal to or higher than that of the conventional granular film and ensuring a more satisfactory result of an acceleration reliability test at high temp. and humidity is obtd.



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